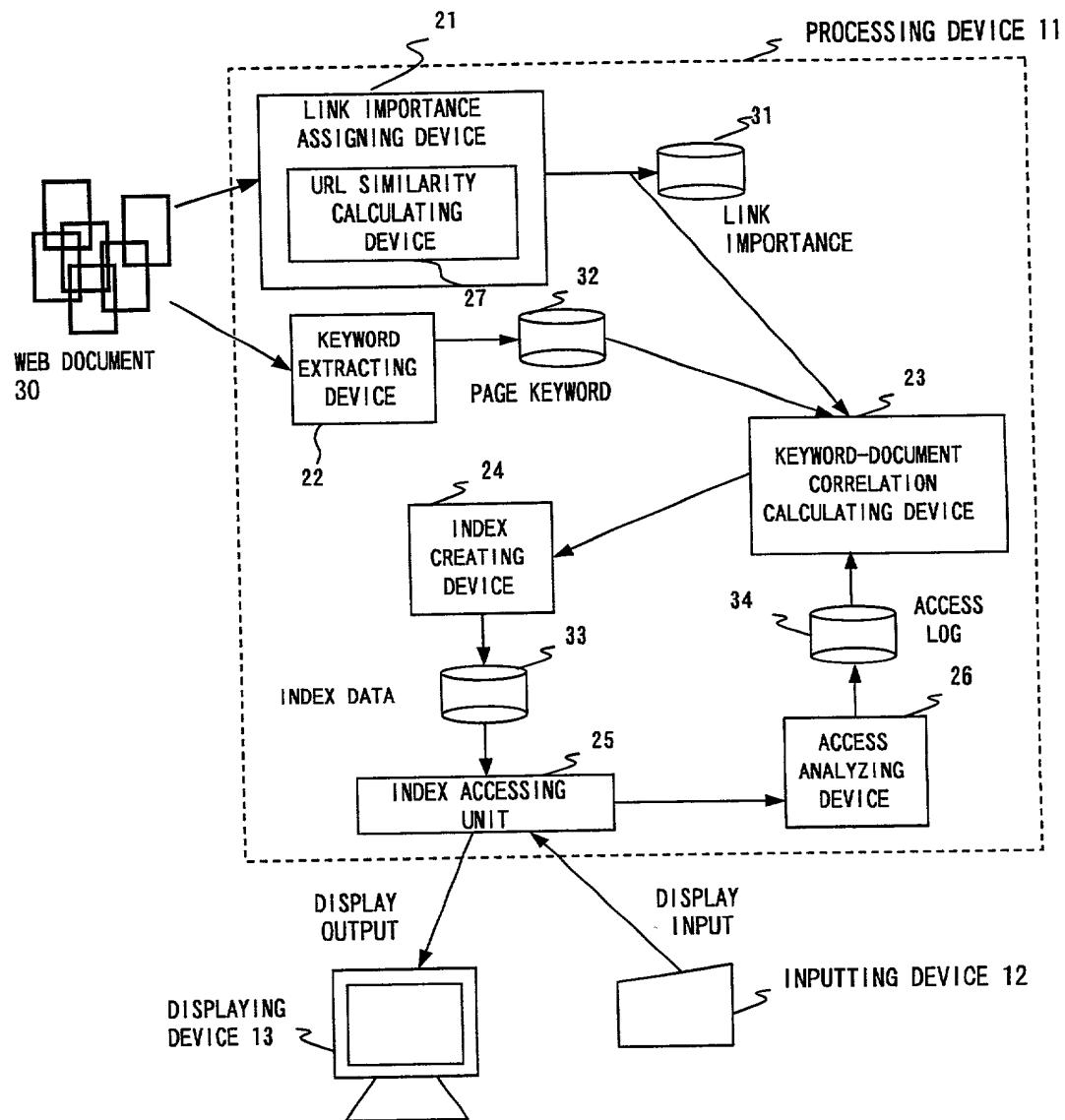


SUCCESSIVELY CLICK CHARACTERS ONE BY ONE

FIG. 1



F I G. 2

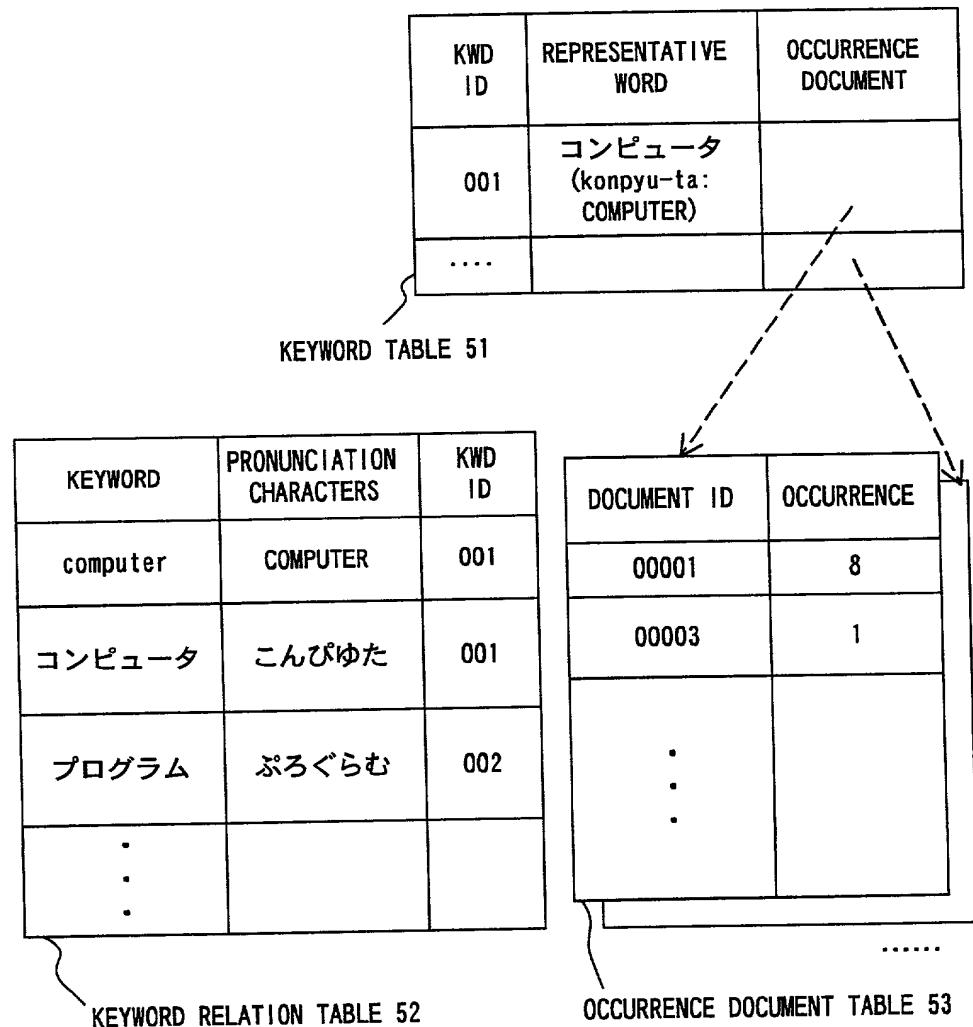
DOCUMENT ID	URL	TITLE	REFERENCED DOCUMENT	LINK IMPORTANCE
00001	http://www.fujitsu.co.jp/	FUJITSU HOME		1023
00002	http://www.kantei.go.jp/	OFFICIAL RESIDENCE OF PRIME MINISTER		2055
...	...			

DOCUMENT INFORMATION TABLE 41

DOCUMENT ID	URL	SIMILARITY
00006		3
00138		2
.....		

REFERENCED DOCUMENT TABLE 42

FIG. 3



F I G. 4

CHARACTER STRING	FOLLOWING CHARACTER STRINGS	KEYWORD STRINGS
TOP	あ (a), い (i), ...	
あ (a)	あいぼ(aibo), あお(ao), ...	
あいぼ (aibo)		相棒 (aibou: MATE), アイボリー(aibori : IVORY).
あお (ao)	あおぞ(aozora)	青 (ao: BLUE), 蒼 (ao: DARK BLUE), ...

INDEX INFORMATION TABLE 61

KEYWORD ID	CORRELATED DOCUMENT ID STRINGS
093	0005, 0008, ...
321	0004, 0008, ...
....	

CORRELATED DOCUMENT TABLE 62

DOCUMENT ID	CORRELATED KEYWORD ID STRINGS
0005	093, 099, 122, ...
0008	093, 156, 321, ...
....	

CORRELATED KEYWORD TABLE 63

F I G. 5

FORMAT IN yyyyymmddHHMM

DATE AND TIME	KWD ID	DOCUMENT ID
200001121436	003	00123
200001121437	005	00054
.		
.		

ACCESS LOG 71

F I G. 6

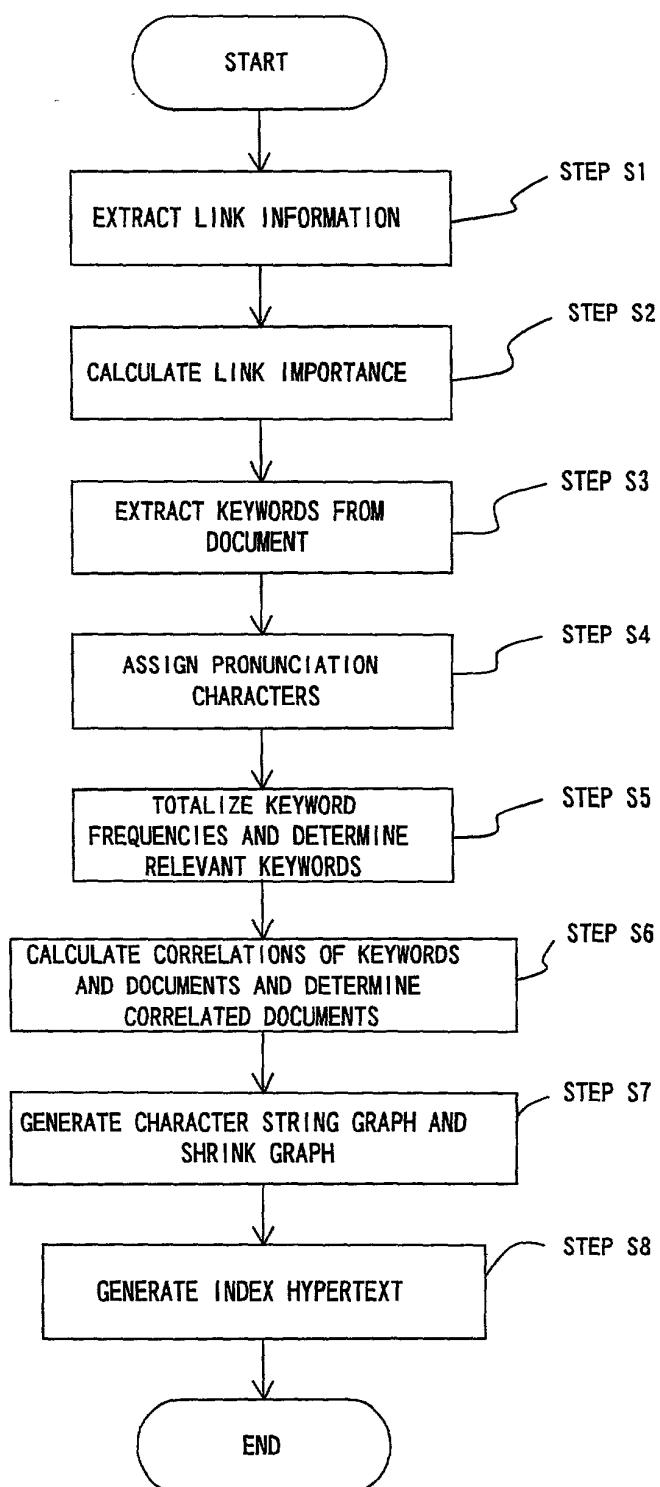
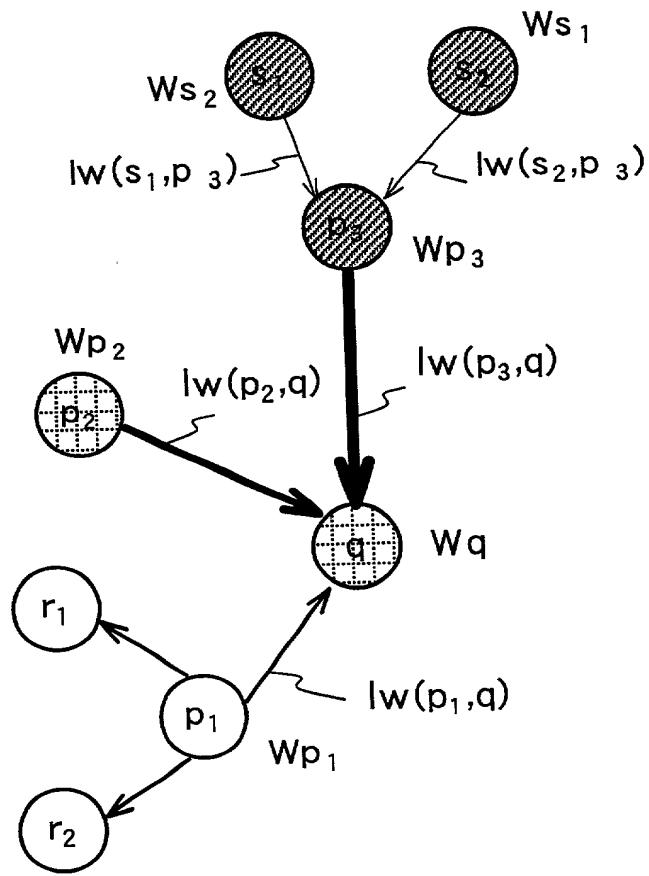


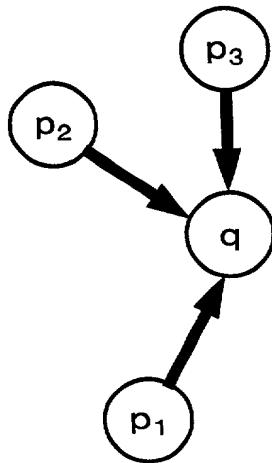
FIG. 7



CIRCLE(\circ) : WEB PAGE
 THICKNESS OF ARROW(\rightarrow) : LINK WEIGHT
 PATTERN OF CIRCLE(\circ) : URL SIMILARITY

FIG. 8

$\text{sim}(p_i, q) = 1$

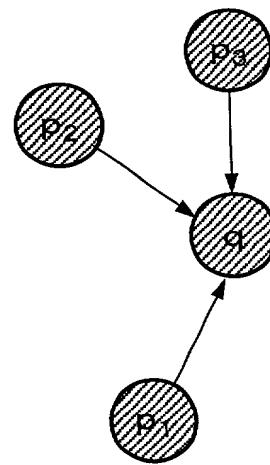


$$lw(p_i, q) = \frac{1}{\text{sim}(p_i, q)} = 1$$

$$w_q = c_q + w_{p1} + w_{p2} + w_{p3}$$

FIG. 9 A

$\text{sim}(p_i, q) = n+1$



$$lw(p_i, q) = \frac{1}{\text{sim}(p_i, q)} = \frac{1}{n+1}$$

$$w_q = c_q + \frac{w_{p1} + w_{p2} + w_{p3}}{n+1}$$

FIG. 9 B

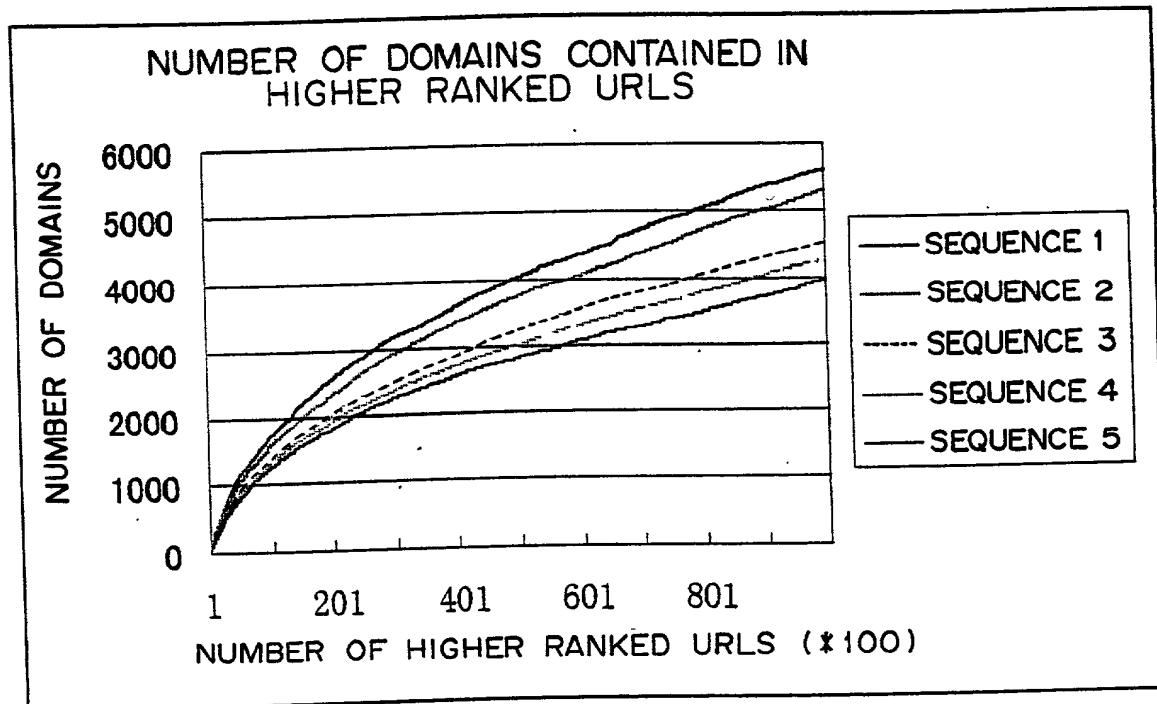


FIG. 10

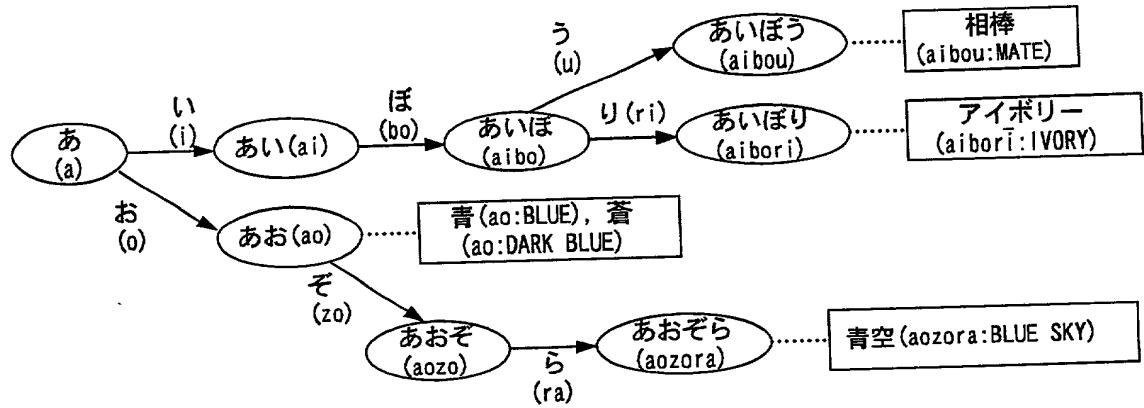


FIG. 11 A

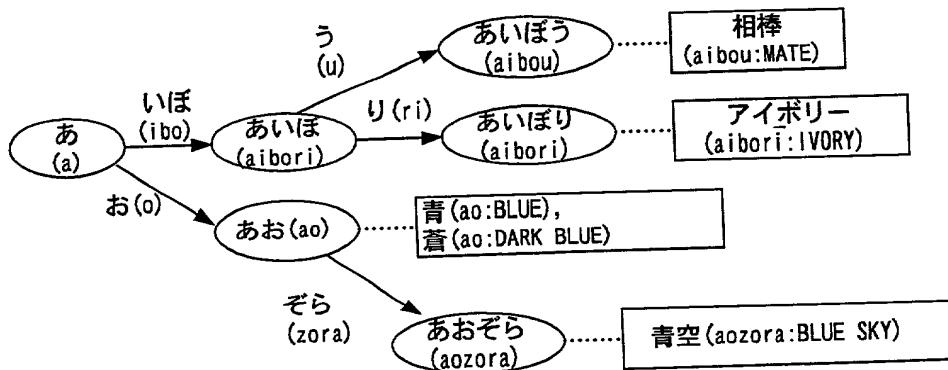


FIG. 11 B

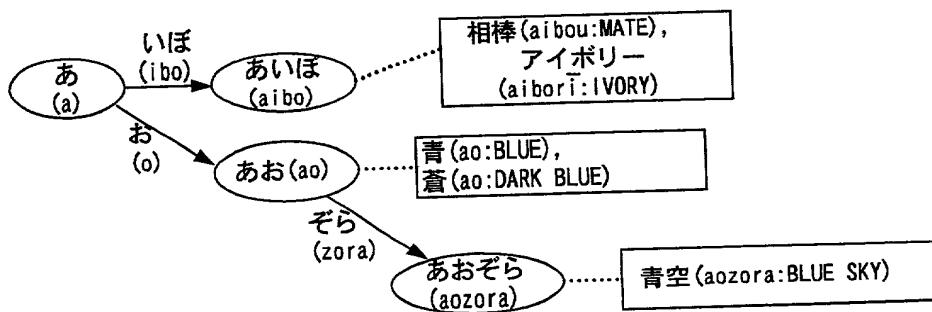


FIG. 11 C

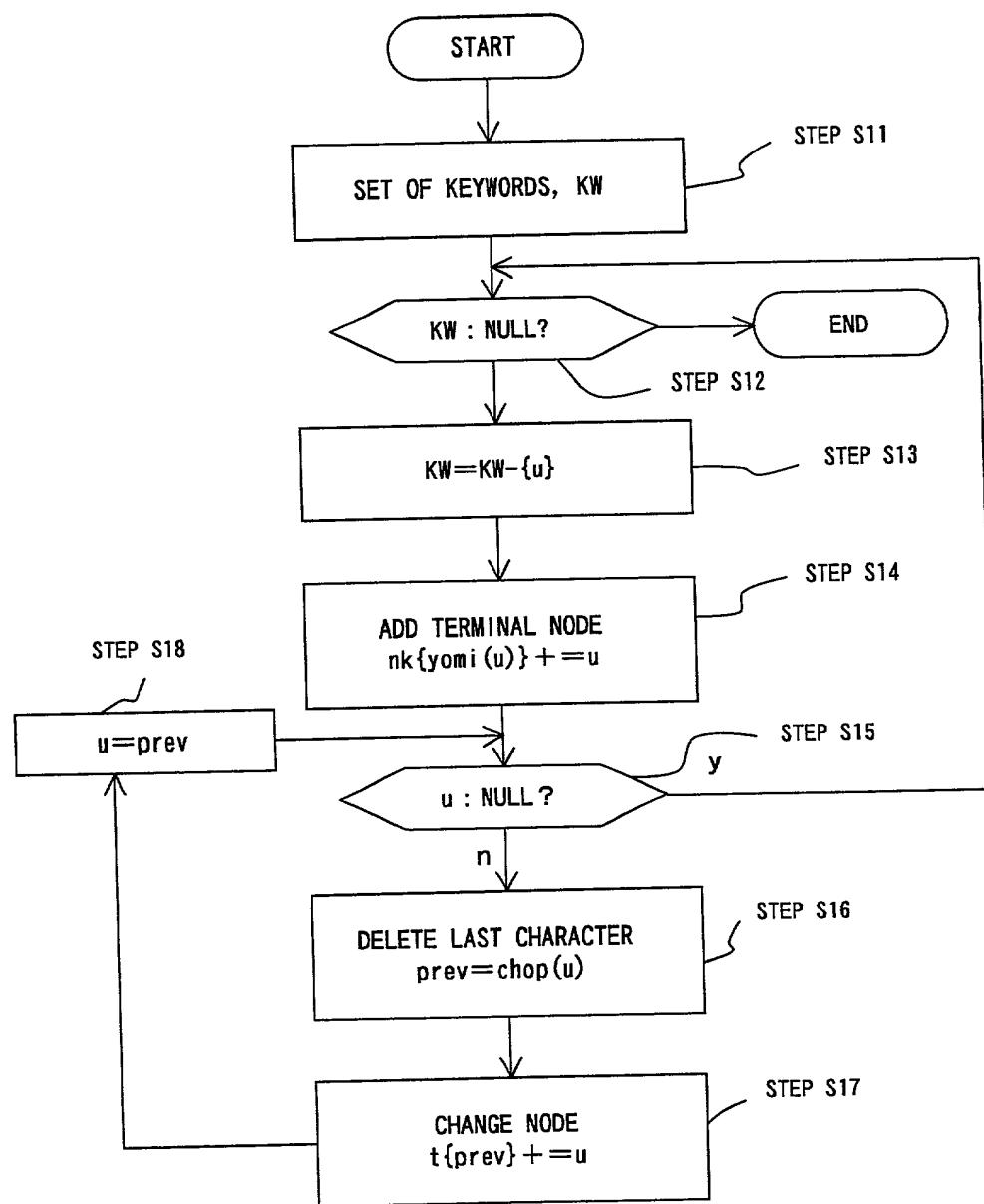


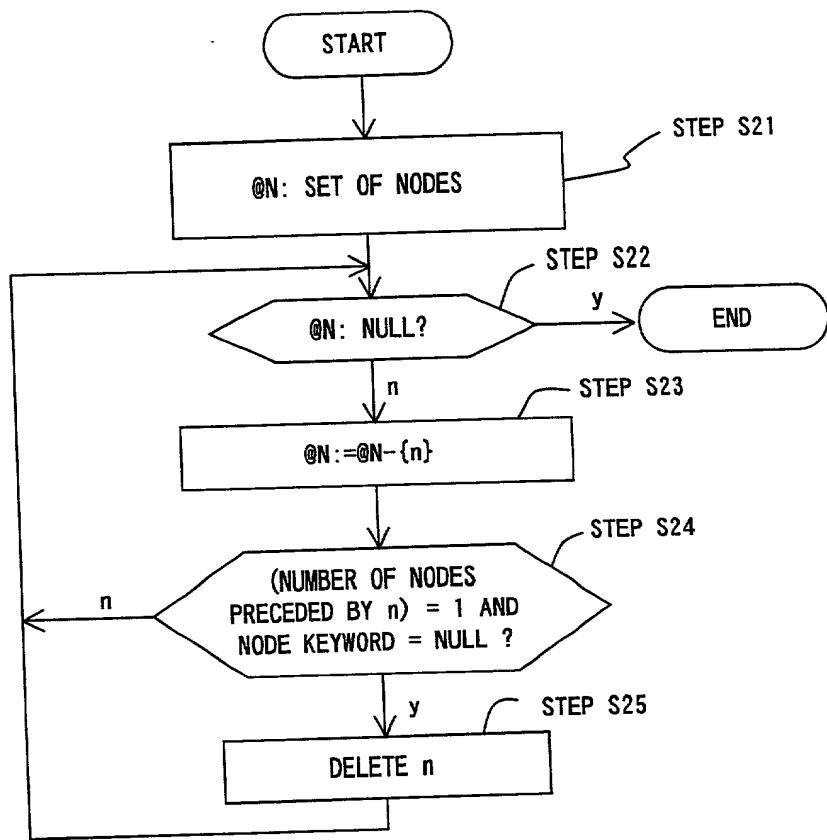
FIG. 12

```

proc init_kw_graph ()
{
    @KW:set of keywords;      # SET OF KEYWORDS
    yomi : YOMI/Spell of keywords; # FUNCTION OR ARRAY THAT RETURNS PRONUNCIATION CHARACTERS OF KEYWORD
    foreach u in KW {          # FOR EACH KEYWORD u
        nk{yomi{u}} := u.+""; # DESIGNATE nk() OF NODE OF PRONUNCIATION CHARACTERS OF KEYWORD u
        for ( i=0; i<length(u); i++) { # REPEAT FOR LENGTH OF CHARACTER STRING OF KEYWORD u
            local prev = chop(u); # DELETE LAST CHARACTER OF KEYWORD u AND ADD TO PARENT NODE
            t{prev} := u.+"";
            u = prev;
        }
    }
}

```

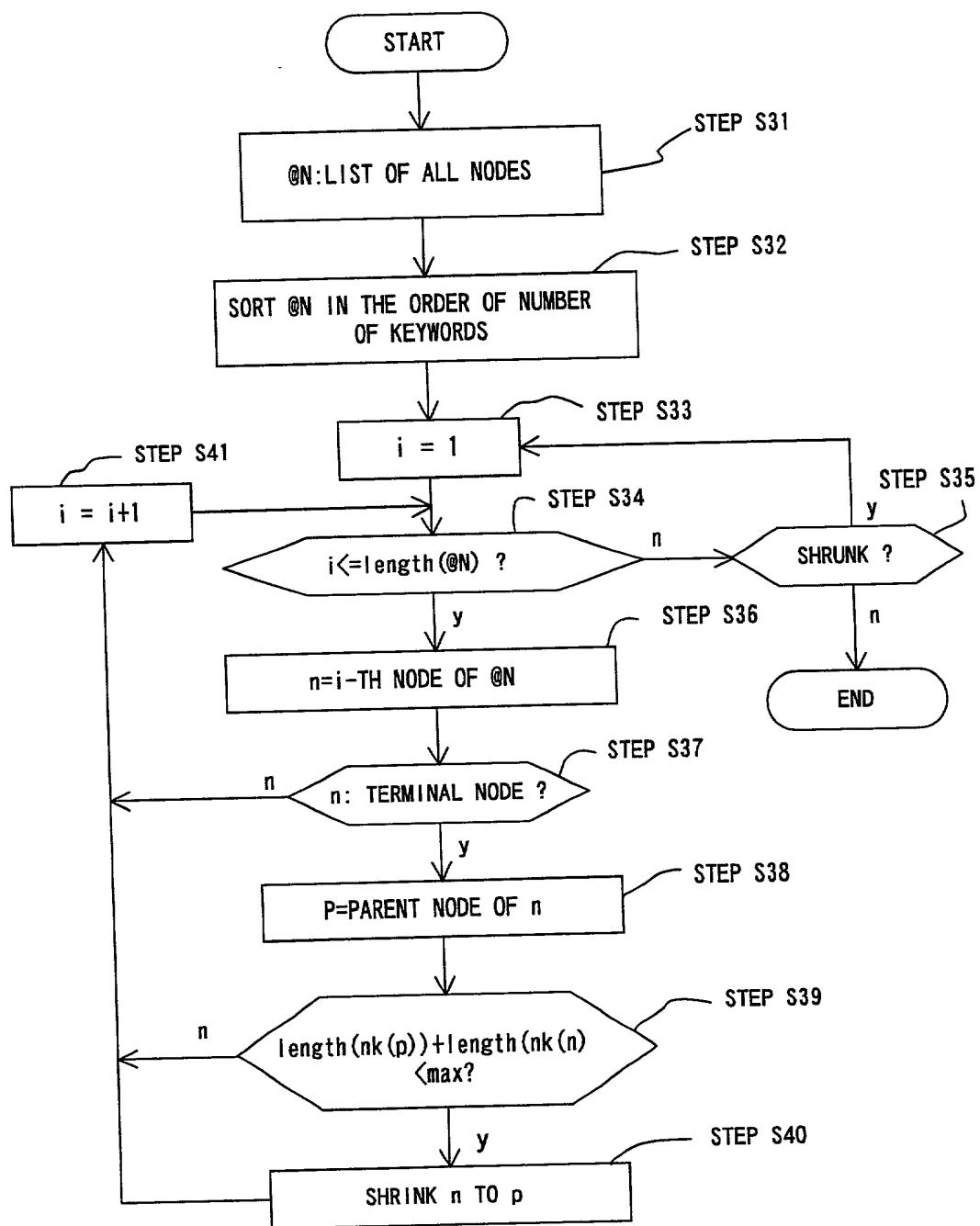
F I G. 1 3



F I G. 1 4

```
proc shrink_middle ()  
{  
    @N : set of nodes  
    foreach n (@N) {  
        next=t{n};      # NEXT NODE LIST  
        kw=nk{n};      # KEYWORD LIST  
        if (length(next) ==1 && kw == "") {  
            delete(n)      # DELETE NODE n  
        }  
    }  
}
```

F I G. 15



F I G. 1 6

```
proc shrink_leaf ()  
{  
    @N: set of nodes;      # NODE LIST  
    word_max =2;           # word_max : IN THIS EXAMPLE, 2  
    changed = true;        # WHEN KEYWORD IS TRANSFERRED, true  
    @N = sort by nk_length @N; # SORTING IN ASCENDING ORDER OF NUMBER OF KEYWORDS  
    while (changed) {  
        changed = false;  
        foreach n in @N {  
            if (is_leaf(n)) {  
                if (is_leaf(n)) {  
                    p = parent_node(n);  
                    if (length(nk{p}) + length(nk{n}) < word_max) {  
                        nk{p}.= nk{n}."+";  
                        delete (n);  
                        changed = true; # PROOF OF TRANSFER  
                    }  
                }  
            }  
        }  
    }  
}
```

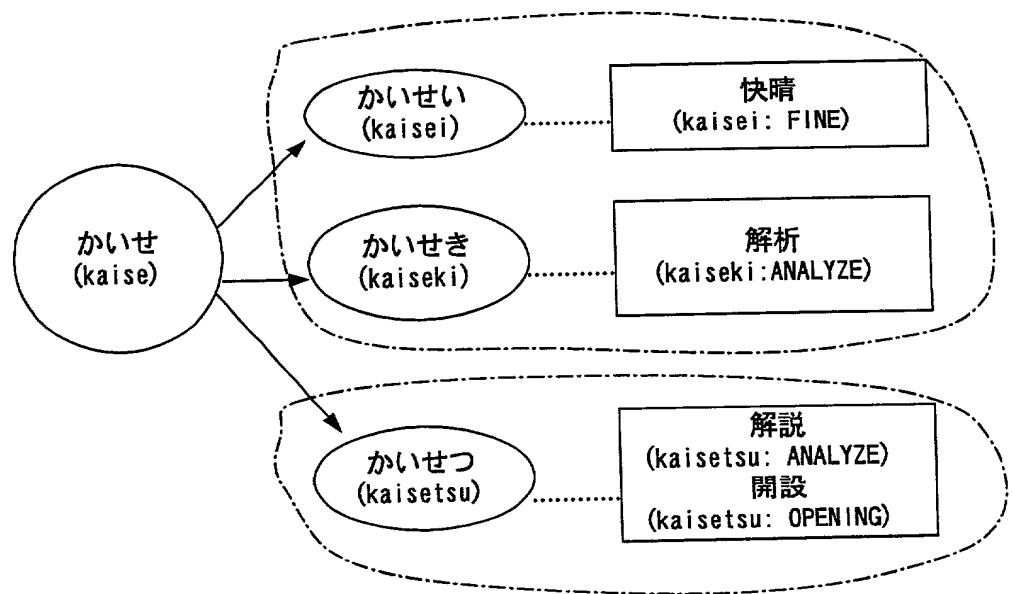


FIG. 18

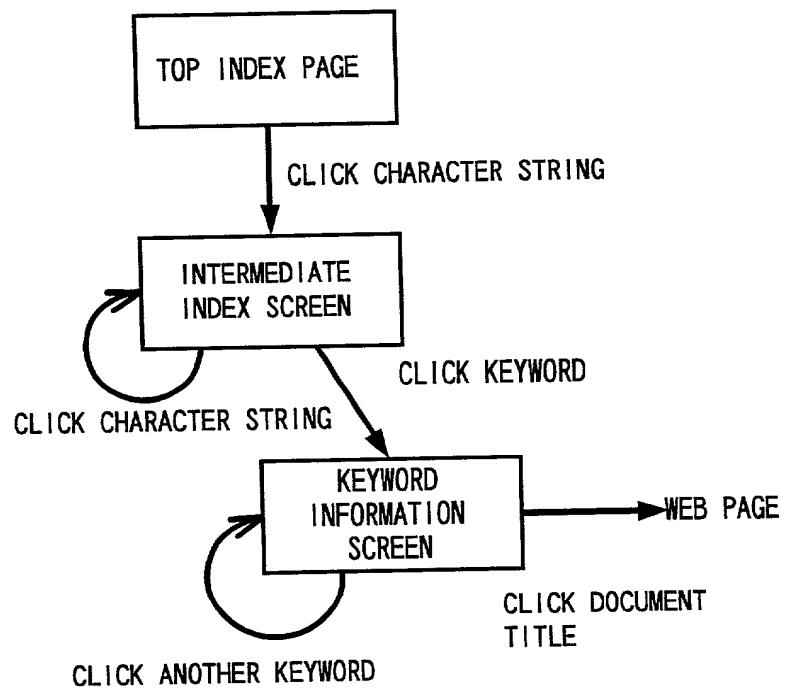
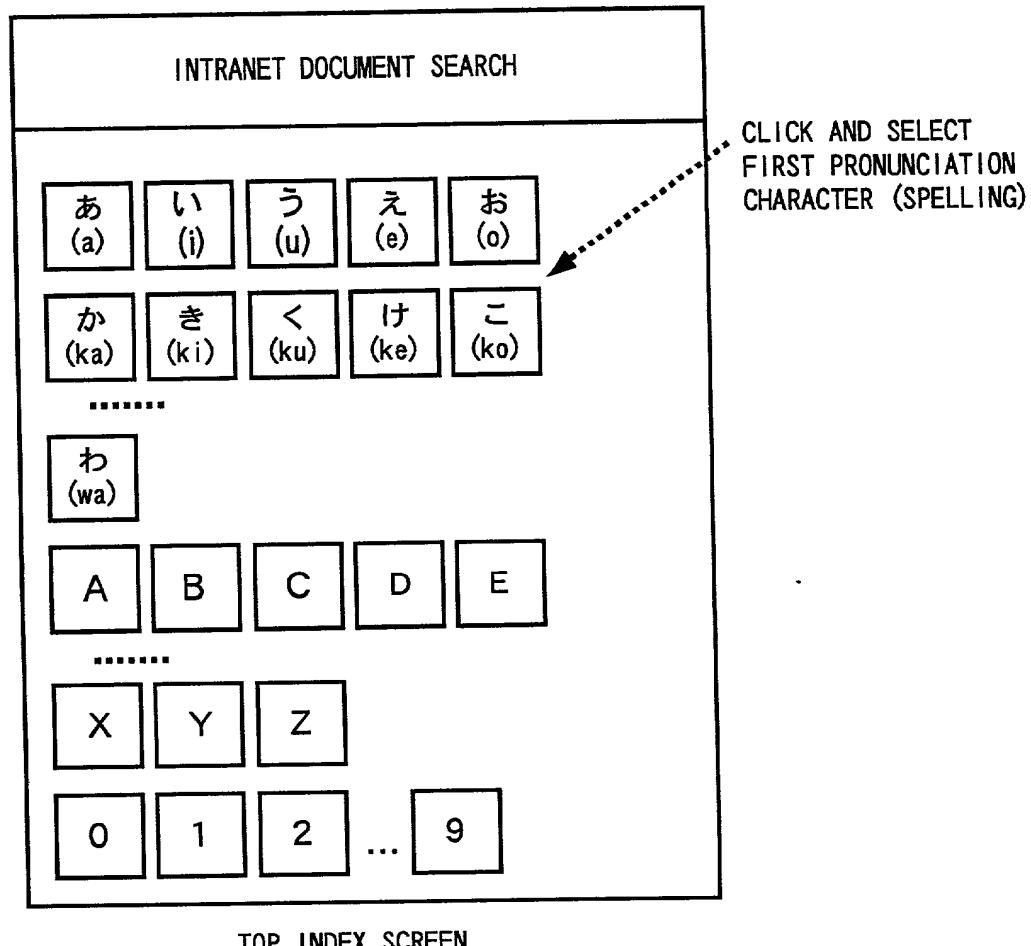


FIG. 19



F I G. 20

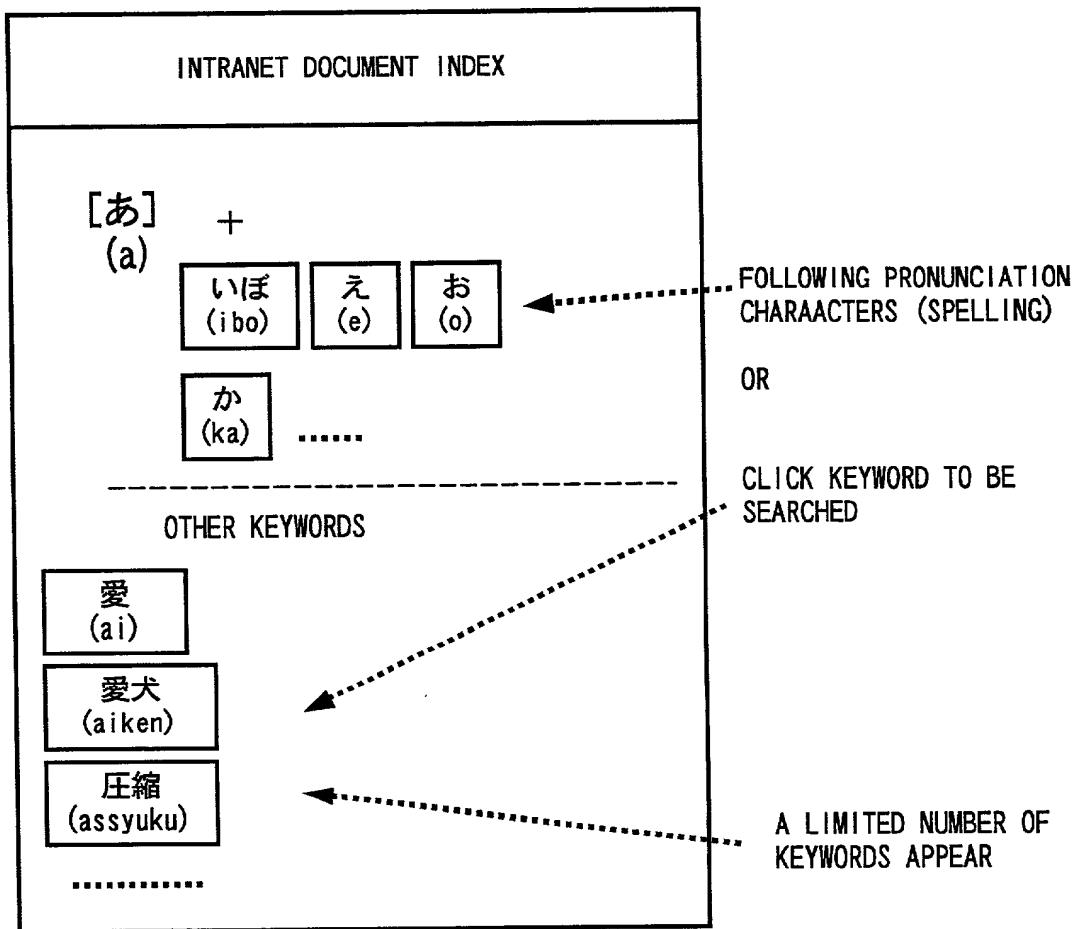
INTELLECTUAL 50-KANA CHARACTER INDEX OF INTRA-COMPANY PAGES

あ (a)	い (i)	う (u)	え (e)	お (o)	か (ka)	き (ki)	く (ku)	け (ke)	ご (ko)	が (ga)	ぎ (gi)	う (gu)	え (ge)	お (go)
か (ka)	き (ki)	く (ku)	け (ke)	ご (ko)	さ (sa)	し (sh)	す (su)	せ (se)	そ (so)	さ (sa)	し (sh)	す (su)	せ (se)	そ (so)
さ (sa)	し (sh)	す (su)	せ (se)	そ (so)	た (ta)	ち (ch)	つ (tsu)	て (te)	と (to)	た (ta)	ち (ch)	つ (tsu)	て (te)	と (to)
た (ta)	ち (ch)	つ (tsu)	て (te)	と (to)	な (na)	に (ni)	ぬ (nu)	ね (ne)	の (no)	な (na)	に (ni)	ぬ (nu)	ね (ne)	の (no)
な (na)	に (ni)	ぬ (nu)	ね (ne)	の (no)	は (ha)	ひ (hi)	ふ (fu)	へ (he)	ゑ (ho)	は (ha)	ひ (hi)	ふ (fu)	へ (he)	ゑ (ho)
は (ha)	ひ (hi)	ふ (fu)	へ (he)	ゑ (ho)	ま (ma)	み (mi)	む (mu)	め (me)	モ (mo)	ま (ma)	み (mi)	む (mu)	め (me)	モ (mo)
ま (ma)	ミ (mi)	ム (mu)	メ (me)	モ (mo)	や (ya)	よ (yu)	る (ru)	れ (re)	ロ (ro)	や (ya)	よ (yu)	る (ru)	れ (re)	ロ (ro)
や (ya)	よ (yu)	る (ru)	れ (re)	ロ (ro)	わ (wa)	る (ru)	れ (re)	ロ (ro)	モ (mo)	わ (wa)	る (ru)	れ (re)	ロ (ro)	モ (mo)
わ (wa)					1	2	3	8	5					

(NOTE) " LONG SOUND
SHOULD BE REMOVED.
SELECT "つ(tu)" AND
(tu)" AND "や(ya).

SEARCH FOR A KEYWORD INCLUDING

CLEAR



F I G. 22

"い" (i)

い (i)	え (e)	お (o)
か (ka)	き (ki)	く (ku)
さ (sa)	し (shi)	す (su)
た (ta)	ち (chi)	つ (tsu)
な (ni)	の (no)	ぬ (nu)
は (ha)	へ (he)	ゑ (ue)
み (mi)	み (mi)	み (mi)
や (ya)	ゆ (yu)	よ (yo)
ら (ra)	り (ri)	る (ru)
わ (wa)	ゐ (wi)	れ (re)

OTHER WORDS

- イオン (ion)
- イネーブル (ineburu)
- 伊豆 (izu)
- 位相 (isou)
- 依存 (izonn)
- 依存性 (izonnsei)
- 意圖 (ito)
- 意欲 (iyoku)
- 移転 (iten)
- 違反 (ihann)
- 違反行為 (ihannkoui)
- 遺族 (izoku)
- 医薬 (iyaku)
- 医用 (iyou)
- 稻城長沼 (inaginaganuma)
- 急ぎ (isogi)
- 居酒屋 (izakaya)
- 指宿 (ibusuki)

(NOTE) "—" LONG SOUND
SHOULD BE REMOVED.
SELECT "つ (tu)" AND
"ɸ (ya)" FOR "つ
(tu)" AND "ɸ (ya).

OTHER WORDS

- イオノン (ion)
- イネーブル (ineburu)
- 伊豆 (izu)
- 位相 (isou)
- 依存 (izonn)
- 依存性 (izonnsei)
- 意圖 (ito)
- 意欲 (iyoku)
- 移転 (iten)
- 違反 (ihann)
- 違反行為 (ihannkoui)
- 遺族 (izoku)
- 医薬 (iyaku)
- 医用 (iyou)
- 稻城長沼 (inaginaganuma)
- 急ぎ (isogi)
- 居酒屋 (izakaya)
- 指宿 (ibusuki)
- 色刺激 (iroshigeki)
- 田舎 (inaka)

▲ ▼

“いべんと” (ibento)

KEYWORDS

- ibento
- ibento ID
- ibento karendā
- ibento sābisu
- ibento sukejyūru
- ibento mailkurosofuto
- ibento rogu
- ibento annai
- ibento kudou
- ibento tettsuzuki
- ibento tsuchi
- ibento naiyou
- ibento hassei
- ibento horyu
- kaisaiyotei ibento
- kannshi ibento
- yotei ibento

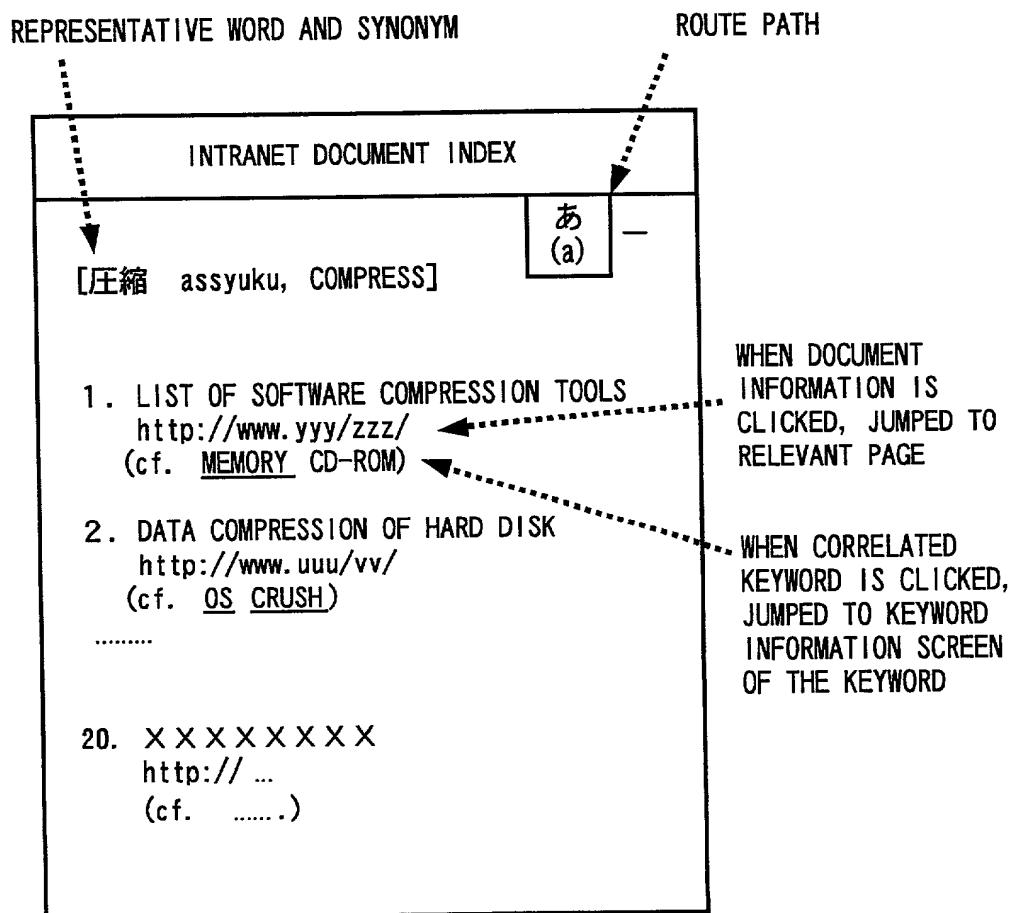


FIG. 25

トッピ (toppi) - イベント (ibento)

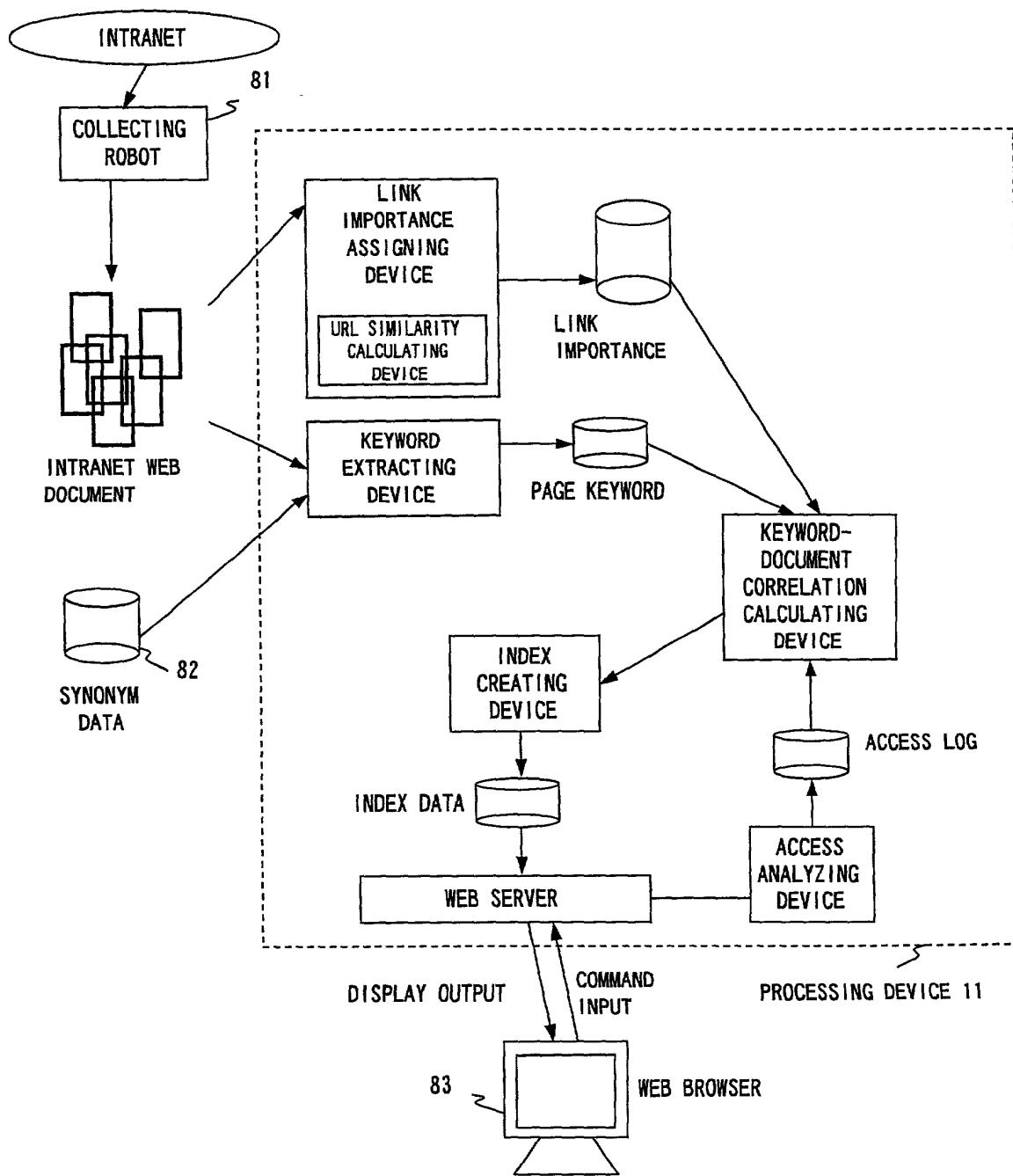
イベントカレンダー

(IBENTO KARENDA : EVENT CALENDAR)

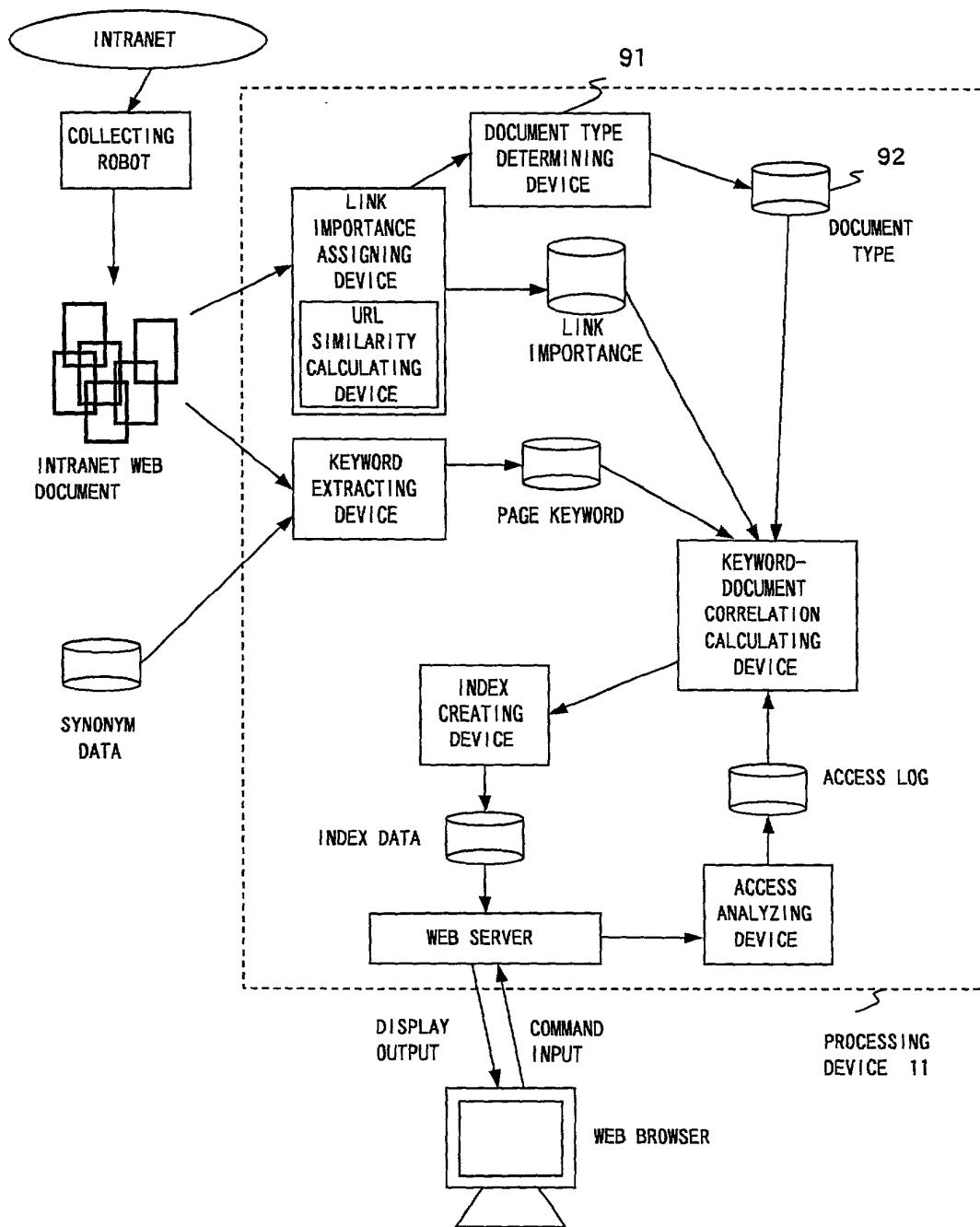
MAJOR PAGES ABOUT "イベントカレンダー"

- <http://www.paso.co.jp/event/2000.html> (03/17/1999)
2000 NEN KARENDA : CALENDAR OF YEAR 2000
(KEYWORDS : イベント (ibento : SOFTWARE), 展示会 (tenjikai : EXHIBITION))
- <http://www.cal.co.jp/event9907.html> (06/23/1999)
7 GATSU NO MOYOUISHI : EVENT ON JULY
(KEYWORDS : お祭会 (ongakukai : CONCERT), コンサート (konsāto : CONCERT))
- <http://www.yohoo.co.jp/event/> (06/23/1999)
イベントリスト (ibent risto : EVENT LIST)

FIG. 26



F I G. 27



F I G. 2 8

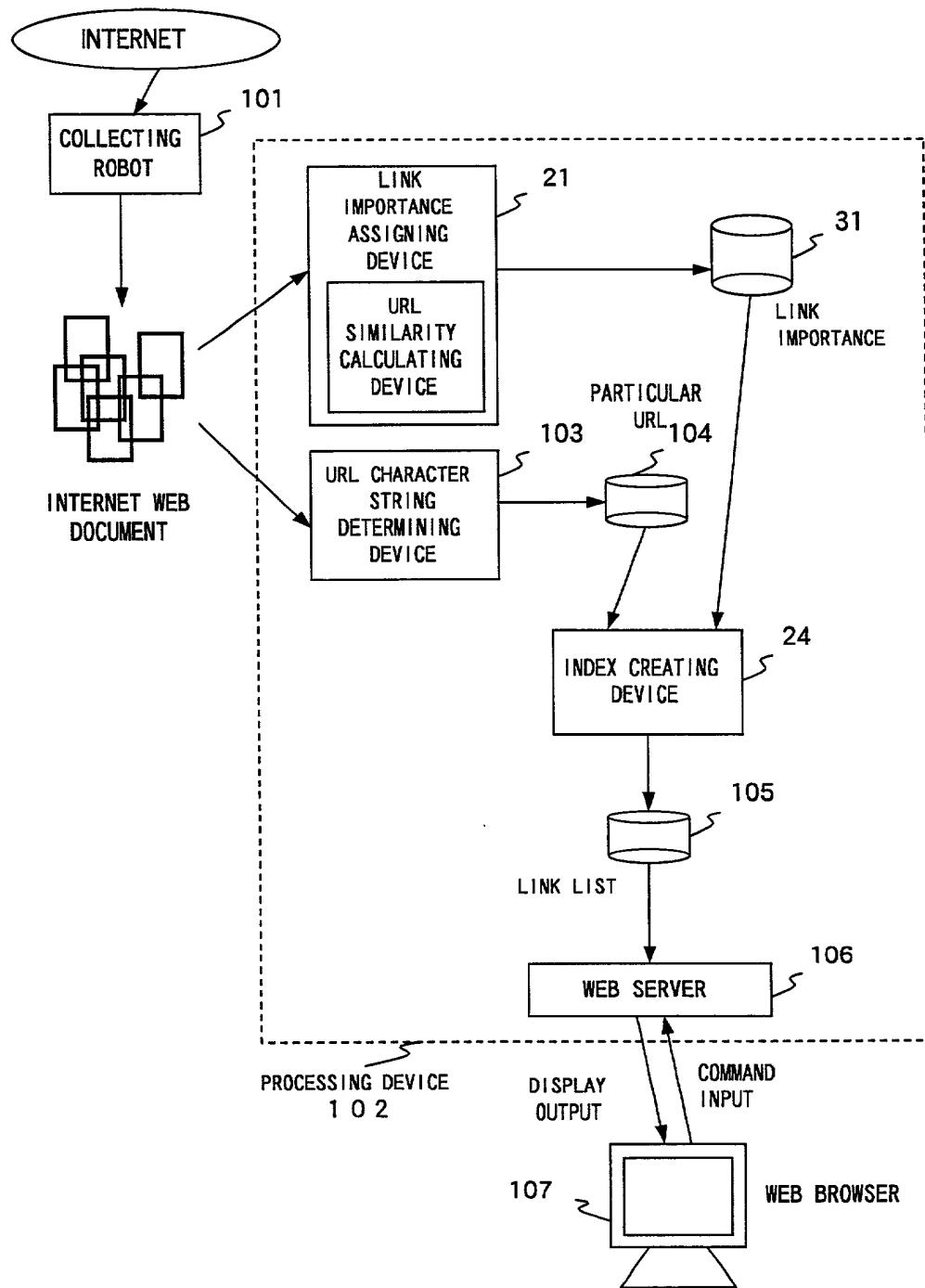
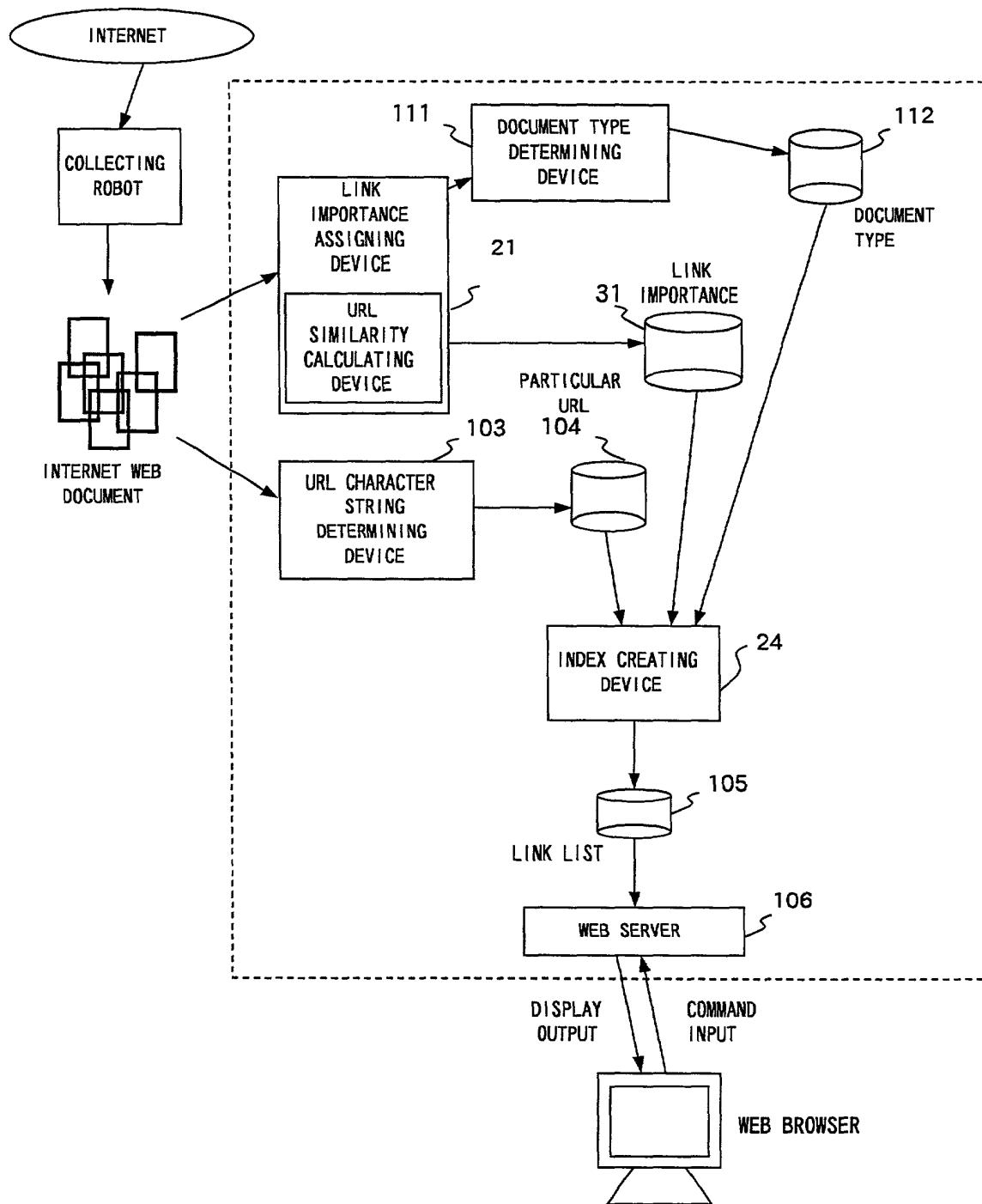


FIG. 29



F I G. 3 0

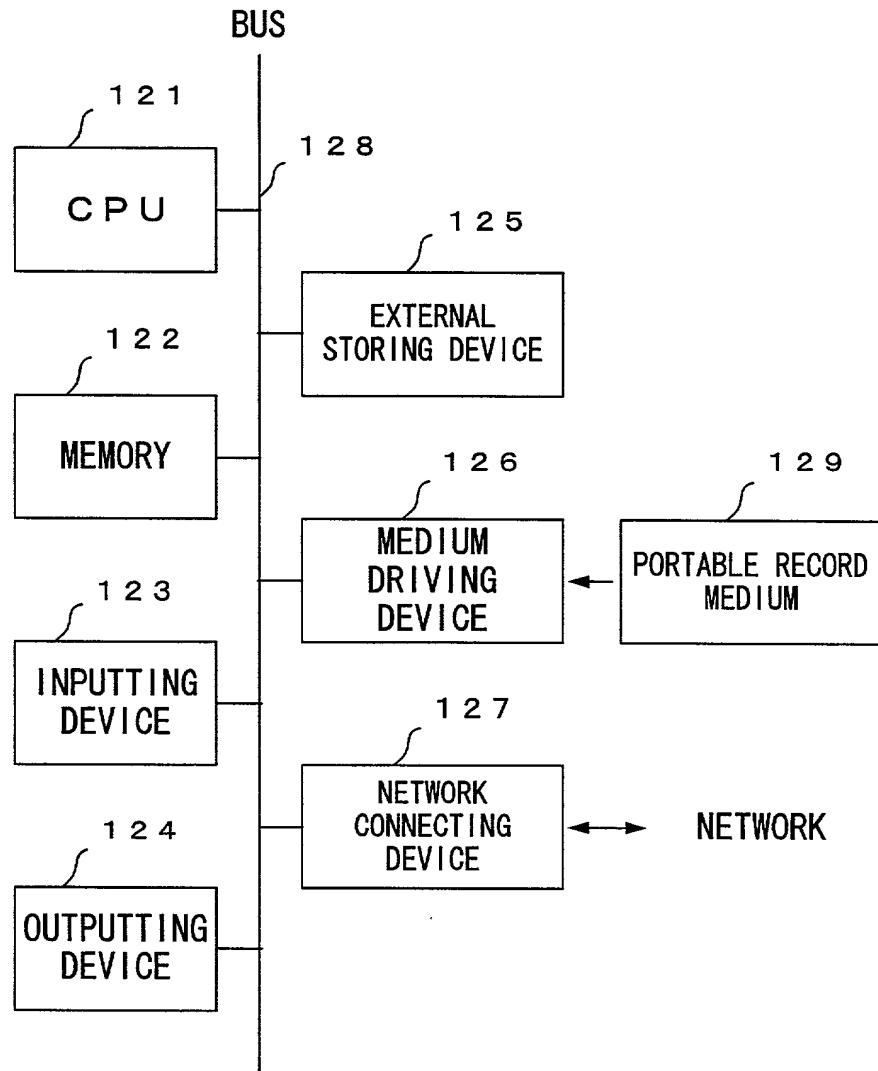
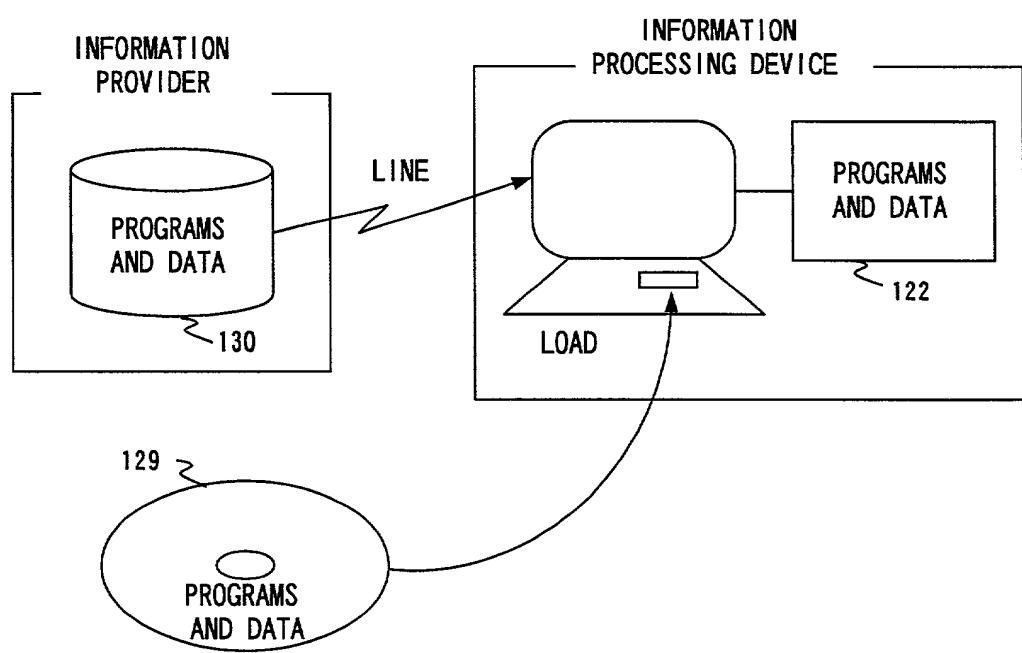


FIG. 31



F I G. 3 2